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EPA Region 5 Records Ctr.



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**ADDENDUM TO THE
FINAL
ENGINEERING EVALUATION AND COST ANALYSIS
REPORT**

for the

**FORMER CELOTEX SITE
2800 South Sacramento Avenue
Chicago, IL 60623**

Prepared for:

**HONEYWELL INTERNATIONAL INC.
101 COLUMBIA ROAD
MORRISTOWN, NEW JERSEY 07962**

JULY 2004

Prepared by:

**PARSONS
999 OAKMONT PLAZA DRIVE
WESTMONT, ILLINOIS 60559**

Parsons Project No. 742040

TABLE 3.8
BREAKDOWN OF COSTS BY ALTERNATIVES

ENGINEERING EVALUATION AND COST ANALYSIS REPORT
2800 SOUTH SACRAMENTO AVENUE SITE, CHICAGO, IL

Alternative M2, Option 2 - Permeable 2-Foot Gravel Cover

Direct Construction Costs				
	Quantity	Units	Unit Price	Total Cost
Site Preparation/Mobilization	1	LS	\$65,000	\$65,000
Gravel (3/4-Inch Crushed Aggregate w/Fines, CA-6)	178,112	TON	\$10	\$1,781,120
Spreading Dozer	89056	CY	\$1.20	\$106,867
General Construction and Site Restoration	1	LS	\$215,000	\$215,000
Contractor Demobilization	1	LS	\$40,000	\$40,000
			Direct Costs Subtotal	\$2,207,987
Indirect Construction Costs				
Contractor Overhead (20%)		LS	20%	\$441,597
Contingency Allowances (5%)		LS	5%	\$110,399
			Indirect Cost Subtotal	\$551,997
			Total Construction Cost	\$2,759,984
Indirect Engineering Costs				
Design Plans and Specifications (10% Direct Construction Costs)	1	LS	10%	\$220,799
Engineering Oversight (5% Direct Construction Costs)	1	LS	5%	\$110,399
			Engineering Cost Subtotal	\$331,198
			Total Capital Cost	\$3,091,182

TABLE 3.8 (Continued)
BREAKDOWN OF COSTS BY ALTERNATIVE

ENGINEERING EVALUATION AND COST ANALYSIS REPORT
2800 SOUTH SACRAMENTO AVENUE SITE, CHICAGO, IL

Alternative M2, Option 2 - Permeable 2-Foot Gravel Cover

	Frequency/Year	Units	Unit Price	Total Cost/Yr
Fence Maintenance and Replacement	4	LS	\$1,000	\$4,000
Maintenance of Gravel Cover	4	LS	\$2,000	\$8,000
Total O and M Cost				\$12,000

TABLE 3.8 (Continued)
BREAKDOWN OF COSTS BY ALTERNATIVE

ENGINEERING EVALUATION AND COST ANALYSIS REPORT
2800 SOUTH SACRAMENTO AVENUE SITE, CHICAGO, IL

Alternative	Total Capital Cost	Annual O& M Cost	Present Worth Cost
M1	\$0	\$0	\$0
M2	\$3,773,700	\$12,000	\$3,938,880
M2, Option2	\$3,091,182	\$12,000	\$3,256,362
M3	\$5,369,000	\$20,000	\$5,644,300
M4	\$48,451,238	\$12,000	\$48,616,418

Present worth calculated using interest factor of 6% over 30 years